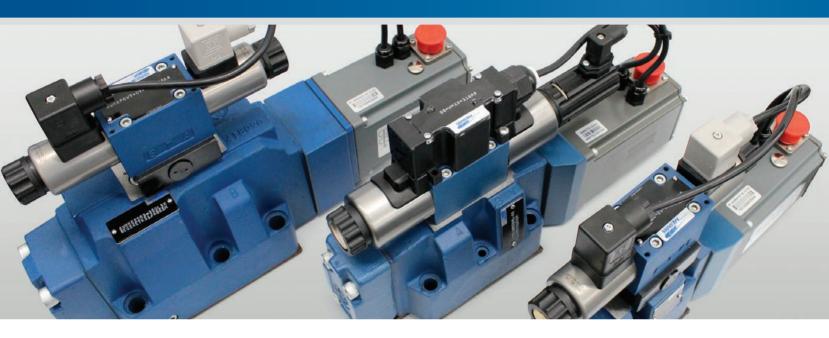


Genuine Metaris 4WRKE & 4WRTE Series Valves

Interchange Proportional Directional Control Valves



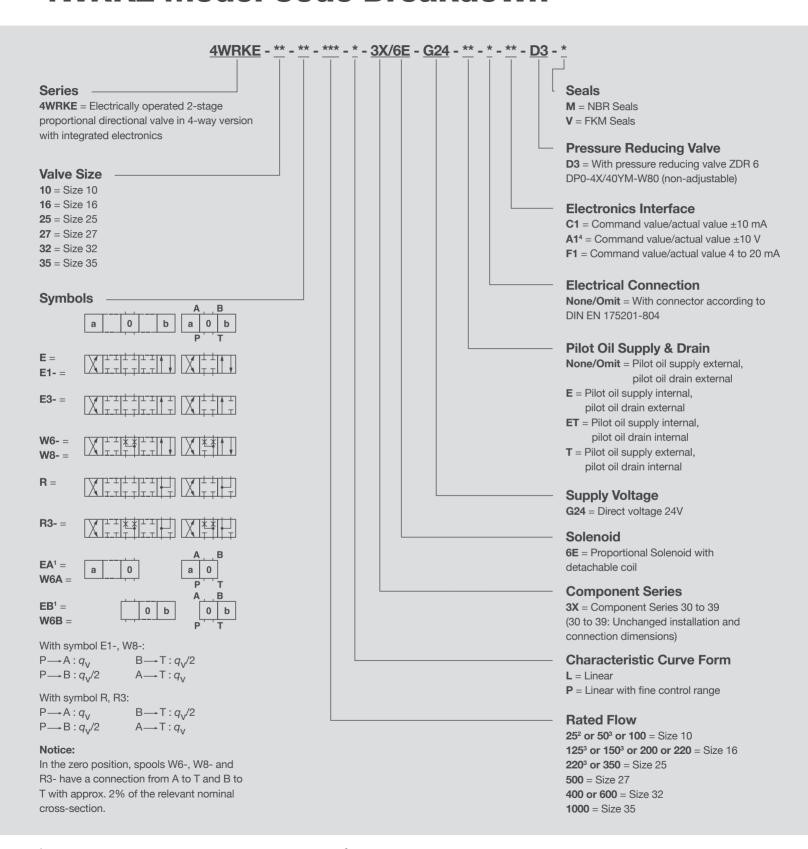
Pilot-operated Directional Control Valves with Electrical Position Feedback & Integrated Electronics

Our Genuine Metaris 4WRKE and 4WRTE Series Proportional Directional Valves are an interchange valve option for other manufacturers' industrial valves of the same fit, form & function. These are high performance valves that are very reliable, stable, and highly accurate due to their electrical position feedback design. These are excellent direct interchange options for Rexroth® 4WRKE and 4WRTE Series Directional Valves.

- Industrial-grade high performance valves
- Spring-centered main control spool
- Subplate mounting: porting pattern according to ISO 4401
- Automatic pressure compensation of the main stage by pilot control valve
- Valve sizes ranging from Size 10 to Size 35
- Maximum operating pressure of 3,045 5,080 psi (210 350 bar)
- Rated flow rate ranging from 6.6 264 gpm (25 1,000 L/min)
- Suitable for applications needing position, speed or pressure control
- Direct interchange option for Rexroth® 4WRKE & 4WRTE Series Valves



4WRKE Model Code Breakdown



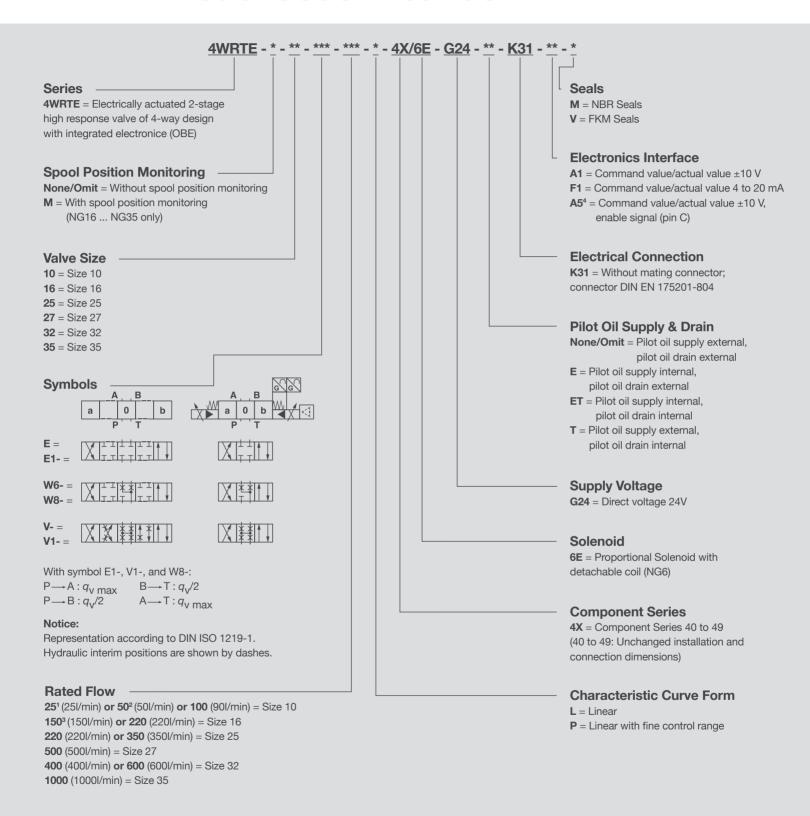
 $^{^1}$ Spool with spool position "a" (P \longrightarrow B) ordering code ..**EA**.. or **W6A** Spool with spool position "b" (P \longrightarrow A) ordering code ..**EB**.. or **W6B**

²Only E and W6- available with characteristic curve form **L** (Linear)

Only E1- and W8- available with characteristic curve form L (Linear)
 When replacing the component series 2X with component series 3X, the

When replacing the component series 2X with component series 3X, the electronics interface is to be defined with **A5** (enable signal at pin C)

4WRTE Model Code Breakdown



 $^{^{\}rm 1}$ Symbol E, W6-, W8- and V only with characteristic curve form L (Linear)

² Symbol E1-, W8- and V1 only with characteristic curve form L (Linear)

³ Symbol **V1** only with characteristic curve form **L** (Linear)

⁴ When replacing the component series 3X by component series 4X, the electronics interface is to be defined with **A5** (enable signal at pin C)

Technical Data



4WRKE SERIES

| GENERAL | | SIZE | 10 | 16 | 25 | 27 | 32 | 35 | | |
|----------------------------|--------------------------------|---------------------------------|---------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--|--|
| Operating pressure | Pilot control valve/oil supply | | 25 to 315 bar | | | | | | | |
| | Main valve connection P, A, B | | Up to 315 bar | Up to 350 bar | Up to 350 bar | Up to 210 bar | Up to 350 bar | Up to 350 bar | | |
| Return flow pressure | Connection T | Pilot oil drain, internal | Static < 10 bar (pilot control valve) | | | | | | | |
| | | Pilot oil drain, external | Up to 315 bar | Up to 250 bar | Up to 250 bar | Up to 210 bar | Up to 250 bar | Up to 250 bar | | |
| | Connection Y | | Static < 10 bar (pilot control valve) | | | | | | | |
| Recommended max. flow | | | 170 l/min | 460 I/min | 870 I/min | 1000 l/min | 1600 l/min | 3000 l/min | | |

4WRTE SERIES

| GENERAL | | SIZE | 10 | 16 | 25 | 27 | 32 | 35 | | |
|----------------------------|--------------------------------|---------------------------------------|---------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--|--|
| Operating pressure | Pilot control valve/oil supply | | 25 to 315 bar | | | | | | | |
| | Main valve connection P, A, B | | Up to 350 bar | Up to 350 bar | Up to 350 bar | Up to 270 bar | Up to 350 bar | Up to 350 bar | | |
| Return flow pressure | Connection T | Pilot oil drain, internal | Static < 10 bar (pilot control valve) | | | | | | | |
| | | Pilot oil drain, external | Up to 315 bar | Up to 250 bar | Up to 250 bar | Up to 210 bar | Up to 250 bar | Up to 250 bar | | |
| | Connection Y | Static < 10 bar (pilot control valve) | | | | | | | | |
| Recommended max. flow | | 170 l/min | 460 I/min | 870 I/min | 1000 l/min | 1600 I/min | 3000 l/min | | | |



Hydraulex Corporate 48175 Gratiot Ave Chesterfield, MI 48051 Toll Free: 800.422.4279 Tel: 586.949.4240

www.hydraulex.com

Hydraulex Detroit Hydraulex Jackson **Hydraulex Seattle Hydraulex Memphis** Tel: 586.949.4240 Tel: 601.469.1987 Tel: 253.604.0400 Tel: 901.794.2462

sales@hydraulex.com sales@metarisusa.com seattlesales@hydraulex.com memphissales@hydraulex.com



